IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A gait waveform feature extracting method comprising ~~steps of~~:

specifying a one-step waveform from a portion of a digital signal, said digital signal corresponding to an electric field displacement formed on a body of a subject in accordance with a two-leg-walking movement of said subject, said specifying ~~step~~ including

associating as an index of said one-step waveform a peak amplitude in a predetermined frequency band, said peak amplitude corresponding to a state where approximately a whole bottom surface of a first foot of said subject is in contact with a walking surface and a toe of a second foot of said subject is just after leaving the walking surface; ~~and~~

extracting features of said one-step waveform after said one-step waveform is specified in said specifying ~~step~~; and

identifying said subject based on said features extracted by said extracting.

Claim 2 (Currently Amended): The gait waveform feature extracting method according to claim 1, wherein[[:]] said predetermined frequency band is in an inclusive range of 6 Hz through 10 Hz.

Claim 3 (Original): The gait waveform feature extracting method according to claim 1, further comprising:

retrieving the digital signal from memory.

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Claim 4 (Currently Amended): The gait waveform feature extracting method according to claim 1, wherein said identifying includes further comprising:

comparing said features of said one-step waveform against a second waveform stored in memory; and

determining that said one-step waveform matches said second waveform when said features of said one-step waveform are within a predetermined criteria of corresponding features of said second waveform.

Claim 5 (Currently Amended): The gait waveform feature extracting method according to claim 4, further comprising:

generating a control signal; and

actuating another device once said determining step determines that the one-step waveform matches said second waveform.

Claim 6 (Currently Amended): The gait waveform feature extracting method according to claim 5, wherein[[:]] said actuating step includes at least one of actuating a visual display, actuating an audio alarm, and opening a lock.

Claim 7 (Currently Amended): The gait waveform feature extracting method according to claim 5, wherein[[:]] said determining step includes calculating a Mahalanobis distance from said features of said first waveform.

Claim 8 (Currently Amended): The gait waveform feature extracting method according to claim 1, wherein[[:]] said extracting step includes dividing said one-step waveform by an interval so as to create divided intervals, and extracting as the features of

said one-step waveform integrated values obtained by integrating amplitude values of said

divided intervals.

Claim 9 (Original): The gait waveform feature extracting method according to claim

1, further comprising:

generating said digital signal with an electric field displacement detector.

Claim 10 (Currently Amended): The gait waveform feature extracting method

according to claim 9, wherein[[:]] said generating ~~step~~ includes producing said digital signal

as a wireless signal.

Claim 11 (Currently Amended): The gait waveform feature extracting method

according to claim 10, wherein[[:]] said extracting ~~step~~ is performed in an analysis device

that is separate from said electric field displacement detector.

Claim 12 (Original): An individual identification system comprising:

an electric field displacement detector configured to detect an electric field

displacement formed on a body of a subject in accordance with a two-leg-walking movement

of said subject and produce a signal that corresponds with the electric field displacement; and

a processor configured to identify from said signal an individual using, as an index, a

peak amplitude of said signal, in a predetermined frequency band, that corresponds to a state

where approximately a whole bottom surface of a first foot of said subject is in contact with a

walking surface and a toe of a second foot is just after leaving the walking surface.

Claim 13 (Original): The individual identification system according to claim 12, wherein said predetermined frequency band is in an inclusive range of 6 Hz through 10 Hz.

Claim 14 (Original): The individual identification system according to claim 13, further comprising:

a memory configured to hold features of a second waveform associated with the individual,

wherein said processor is configured to compare said features of said one-step waveform against the second waveform stored in memory, and determine that said one-step waveform matches said second waveform when said features of said one-step waveform are within a predetermined criteria of corresponding features of said second waveform.

Claim 15 (Currently Amended): The individual identification system according to claim 14, wherein[[:]] said electric field displacement detector is configured to generate a control signal when said processor determines that said one-step waveform matches said second waveform; and said processor is configured to actuate another device after receiving said control signal once said determining step determines that the one-step waveform matches said second waveform.

Claim 16 (Currently Amended): The individual identification system according to claim 15, wherein[[:]] said another device being at least one of a visual display, an audio alarm mechanism, and a controllable lock.

Claim 17 (Currently Amended): The individual identification system according to claim 14, wherein[[:]] said processor is configured to calculate a Mahalanobis distance from said features of said first waveform.

Claim 18 (Currently Amended): The individual identification system according to claim 15, wherein[[:]] said electric field displacement detector includes a transmitter configured to transmit said control signal as a wireless signal.

Claim 19 (Currently Amended): The individual identification system according to claim 14, wherein[[:]] said electric field displacement detector is separate from said processor.

Claim 20 (Original): An individual identification system comprising:

means for detecting an electric field displacement formed on a subject in accordance with a two-leg-walking movement of said subject; and

means for comparing said electric field displacement with predetermined electric field displacements associated with different individuals so as to identify a predetermined individual based on said electric field displacement.